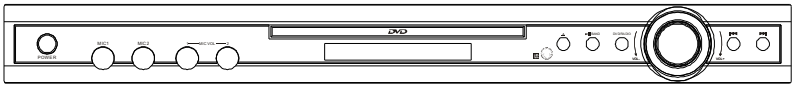
DENVER®
ELECTRONICS

DRS-1908
User Manual



IMPORTANT

Please read this manual carefully before operating the DVD PLAYER.
Keep this manual handy for further reference.

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SAFETY INFORMATION

The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE, DUE TO THE HIGH RISK OF FIRE OR ELECTRIC SHOCK, DO NOT OPEN THE CABINET, DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. ONLY QUALIFIED SERVICE PERSONNEL SHOULD ATTEMPT THIS.

CAUTION: This Digital Video Disc Player employs a Laser System. To prevent direct exposure to the laser beam, do not try to open the enclosure.Visible laser radiation when open and interlocks defeated. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.**DO NOT STARE INTO BEAM.**

To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location, only qualified service personnel should remove the cover.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

1. Read Instructions - All the safety and operating instructions should be read before the product is operated.
2. Follow Instructions - All operating and use instructions should be followed.
3. Retain Instructions - The safety and operating instructions should be retained for future reference.
4. Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
5. Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.

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7.Water and Moisture - Do not use this product near sources of water and moisture.
8.Accessories - Do not place this product on an unstable platform. The product may fall, causing serious personal injury and serious damage to the product. Use only with a stable platform recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9.A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10.Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating. These openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Never place this product near a heat source.
11.Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12.Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
13. Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
14. Overloading - Do not overload wall outlets, extension cords as this can result in a risk of fire or electric shock.
15. Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
16. Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
17. Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same charateristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
18. Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform saftey checks to determine that the product is in proper operating condition.

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NOTES ON DISCS

THIS DVD PLAYER CAN PLAY BACK THE FOLLOWING DISCS

- DVD5 （Single side, single layer）
- DVD9 (Single side, double layers)
- DVD10 (Double sides, single layer)
- DVD18 (Double sides, double layers)
- VCD1.0/1.1/2.0
- SVCD
- KODAK PICTURE CD
- CVD
- DVCD
- CD-DA
- CD-R
- CD-RW
- CD
- MPEG4

DISC INFORMATION

TYPE	DVD	VCD	SVCD CVD	CD
RECORD FORMAT	MPEG Ⅱ	MPEG Ⅰ	MPEG Ⅱ	DIGIT
CAPACITY	Single side, Single layer 4.7GB=2Hr. Single sides, Double layer 8.5GB=4Hr. / Double side, Single layer 9.4GB=4.5Hr. Double sides, Double layers 17GB=9Hr.	650M 74 min.	650M 45 min.	650M 74 min.
DISC SIZE	12CM/8CM	12CM	12CM	12CM/8CM
HORIZONTAL RESOLUTION	⩾500 lines	⩾240 lines	⩾350 lines	——
SUBTITLE	UP TO 32 KINDS	——	8	——
LANGUAGE	UP TO 8 KINDS	2	4	——
SYMBOL	DVD VIDEO	DVD/VIDEO CD	DIGITAL VIDEO	

DVD REGIONAL CODE

DVDS are divided into separate regions.

CODE	REGION
1	U.S.A. Canada
2	European Countries, Japan, Middle East, South Africa
3	West Asia (including South Korea, Hong Kong, Tai Wan), Southeast Asia
4	Australia, Caribbean Sea, Mexico, New Zealand
5	Africa, Russia, India, North Korea, Pakistan, Turkmenistan
6	Mainland China

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FEATURES FOR DVD DISC

Different DVD discs have different combination of features, because of the different design created by the coder and manufacturer, the following symbols indicate some features of DVD disc:

Regional code and the video output system

Dolby digital surround

Audio track

Subtitle

Video aspect ratio

5.1 sound channel output

Caption Concealed

two channel stereo

Restriction

Parental lock

Angle

HOW TO HANDLE, CLEAN, AND STORE DISCS.

HANDLING DISCS

- **Do not touch the playback side of the disc.**
- **Do not attach paper or tape to discs.**

CLEANING DISCS

- **Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outward with a soft cloth. Always keep the disc clean.**
- **If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.**
- **Do not use any type of solvent such as a thinner, benzine, commercially available cleaners or anti-static spray for vinyl LP's. It may damage the disc.**

STORING DISCS

- **Do not store discs in places subject to direct sunlight or near heat sources.**
- **Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.**
- **Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.**

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PREPARATION

UNPACKING

First check and identify the contents of your DVD video player package, as listed below:
- DVD video player
- Remote control handset
- Owner's manual

If any item should be damaged or missing, please inform your supplier without delay.
Keep the packaging materials, you may need them to transport your player in the future.

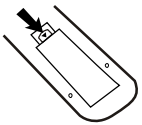
WHERE TO LOCATE YOUR DVD

• Place the unit on a firm, flat surface.
• When you place this DVD video player near a radio, or VCR, the playback picture may become poor and/or distorted. In this situation, move the DVD video player away from the other units.
• Keep away from direct sunlight & domestic heating equipment.
If placed in a cabinet, please allow at least 2.5 cm (1 inch) of free space all around the player for proper ventilation.

PREPARING THE REMOTE CONTROL

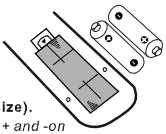
To operate the DVD video player, you must first place the batteries in the remote control.

1



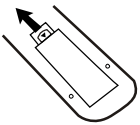
Open the cover.

2



Insert batteries(AAA size).
Make sure to match the + and -on the batteries to the marks inside the battery compartment.

3

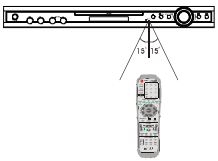


Close the cover.

OPERATING WITH THE REMOTE CONTROL

Operating DVD video player with the remote control.

1



The remote control must point at the remote sensor, in order for the DVD player to function correctly.

Distance: Maximum of 7 m from the front of the remote sensor.
Angle: Approximately 15° from each direction.

*Please do not place the remote sensor towards any light source such as direct sunlight or illumination, otherwise,The DVD video player will malfunction.

⚠ **BATTERIES**
FOLLOW INSTRUCTIONS BELOW BECAUSE INCORRECT USE OF BATTERIES MIGHT CAUSE THEM TO LEAK OR CORRODE.
·Do not place the batteries in the wrong direction.
·It is dangerous to charge/heat/open or short-circuit the batteries.
·Do not leave dead batteries or mix old/new batteries in the remote control.
·When not using the remote control for a long duration of time,remove the batteries.
·If difficulties occur with the remote control, or if the operating range becomes reduced, replace the batteries.
·With normal usage the batteries should last one year.

⚠ **REMOTE CONTROL**
·The remote control should be aimed directly towards the remote sensor of the DVD video player.
·Avoid dropping the remote control.
·Avoid exposing the remote to heat or liquids.

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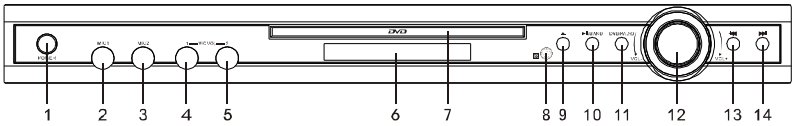
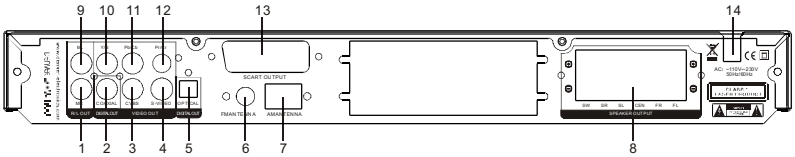
IDENTIFICATION OF CONTROLS

FRONT PANEL



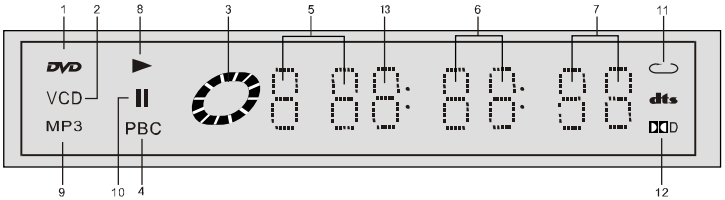
1.POWER On/OFF
2.MIC1 Jack
3.MIC2 Jack
4.MIC VOL1
5.MIC VOL2
6.LED Display
7.Disc Tray
8.Remote Control Sensor
9.Open/Close
10.Play/Pause/BANAD
11.DVD/RADIO
12.Main Volume Knob
13.Skip Backward
14.Skip Forward

BACK PANEL



1.Main Right Audio Output Jack
2.Digital Audio COAXIAL Output Jack
3.Composite CVBS Output Jack
4.S-VIDEO Output Jack
5.Digital Audio OPTICAL Output Jack
6.FM Antenna Input Jack
7.AN Antenna Input Jack
8.Speaker Output Jack (SW,CEN,SL,SR,FL,FR)
9.Main Left Audio Output Jack
10.Component Video (Y/G) Output Jack
11.Component Video (CB) Output Jack
12.Component Video (CR) Output Jack
13.21-pin SCART Socket
14.POWER IN

DVD DISPLAY



1.DISC TYPE (DVD)
2.DISC TYPE (VCD)
3.PLAY INDICATOR
4.PBC
5.TITLE AND CHAPTER
6.TIME (MINUTE)
7.TIME (SECOND)
8.PLAY
9.DISC TYPE (MP3)
10.PAUSE
11.REPEAT
12.DOLBY AC-3 DECODER
13.TIME

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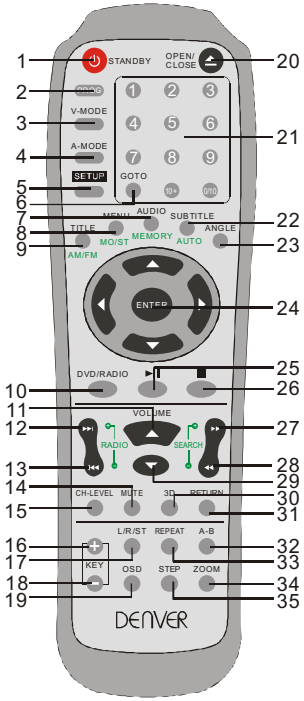
REMOTE CONTROL



PLAY ESTATE

1.STANDBY
2.PROG
3.V-MODE
4.A-MODE
5.SETUP
6.GOTO
7.AUDIO
8.MENU
9.TITLE
10.DVD/RADIO
11.VOL+
12.NEXT
13.PREV
14.MUTE
15.CH-LEVEL
16.KEY+
17.L/R/ST
18.KEY-
19.OSD
20.OPEN/CLOSE
21.NUMBER BUTTON
22.SUBTITLE
23.ANGLE
24.ENTER
25.PLAY/PAUSE
26.STOP
27.FAST FORWARD
28.FAST BACKWARD
29.VOL-
30.3D
31.RETURN
32.A-B
33.REPEAT
34.ZOOM
35.STEP

RADIO ESTATE

7.MEMORY
8.MO/ST
9.AM/FM
12.CH+
13.CH-
22.AUTO
27.SEARCH+
28.SEARCH-

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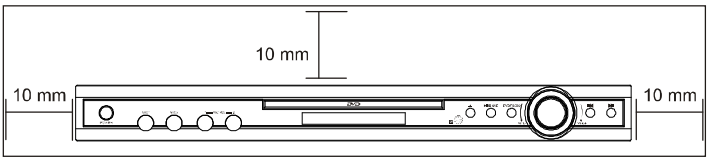
GETTING STARTED

Insert Batteries into Remote Control

Insert two (AAA) batteries according to the + and - signs on the battery compartment. To use the remote control, point it directly at your DVD unit.

Set up and Maintenance of the DVD unit.

* Provide spaces for sufficient ventilation as indicated:



* Do not connect to the AC power cords until all connections are completed.
* Do not use your set immediately after transferring it from a cold place to a warm place: there is risk of condensation.
* Do not expose your set to water and excessively high temperatures.
* After having disconnected your set, clean the case with a soft cloth, or with a lightly damp leather chamois. Never use strong solvents.

Protect your Components from Overheating

* Do not block ventilation holes in any components. Arrange the components so that air can circulate freely.
* Do not stack components directly on top of each other.
* Allow adequate ventilation when placing your components in a stand.
* Place an amplifier near the top shelf of the stand so heated air rising from it will not affect other components. If you have a satellite receiver, you should place it on the top shelf.
* Disconnect your AC power of the main unit and subwoofer when is not use for extended period of time.

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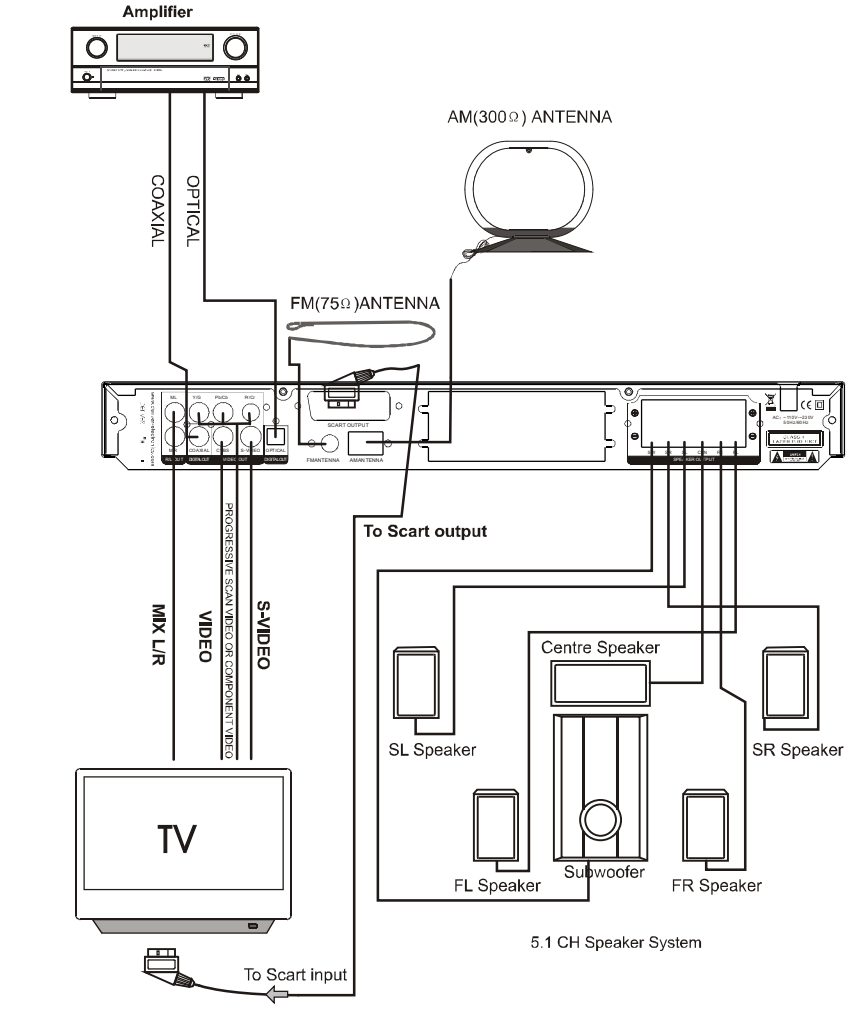
Connecting to Audio-Visual Components



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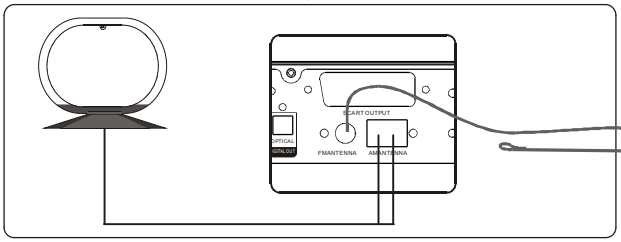
GETTING STARTED

Connecting the Antenna

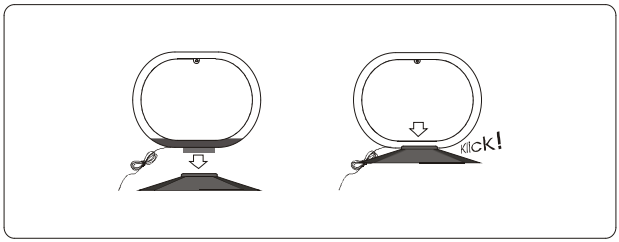
The AM and FM antennas connect to the AM and FM terminals on the system's back panel. They must be hooked up in order to receive clear reception.

AM Loop Antenna and FM Indoor Antenna

1. Uncoil the Antenna wire and wire and located the base end.
2. Press down on the Antenna tab to open the terminal.

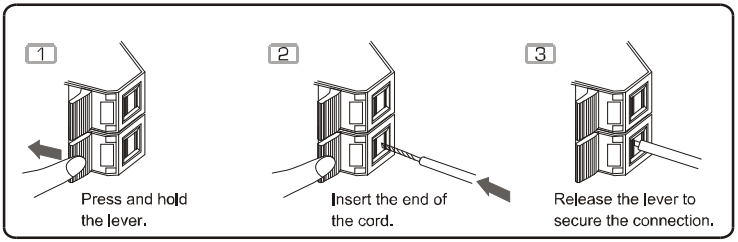


AM loop Antenna



HINT

* For FM reception, extend antenna to it's full length and arrange the Antenna as a T Shape.
* For AM reception, rotate the antenna horizontally to get better reception.



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Connecting the Speakers

Speakers

You will need to use 6 speakers with the unit (2 front, 1 center, 2 surround, 1 subwoofer). In order to enjoy good surround effects all six speakers need to be connected to the DVD.

At least two front speakers (left and right) are required. For better sound quality, Center speaker, surround speakers and subwoofer should also be connected. Adding center and surround speakers will enhance surround effects. Adding a subwoofer will increase bass response.

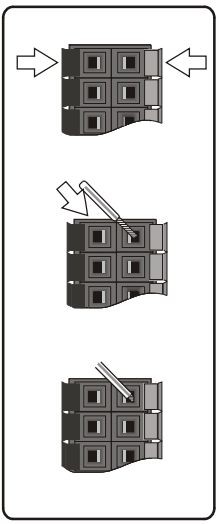
If you want to enjoy full range of sound effects, with small speakers, it is a must to use the subwoofer with the speakers to maintain adequate bass signal.

Speaker Cords

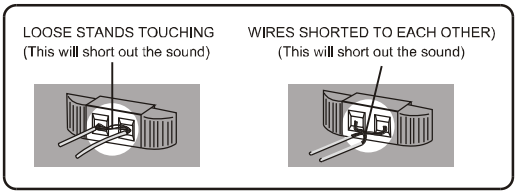
1. for each speaker, is needed for connection.
   Twist the stripped ends of speaker cord about 2/3 inch (15mm). Press down on the tab to open the terminal and insert the wire. Snap the tab closed.

2. To ease speaker connections, the terminals are color coded.
   * Grey/Brown/Green/Blue/White/Red/Black
   Grey, brown, green, blue, white and red are +; black is -.

3. Connect the L, R speaker to the red/black terminal on the DVD.
   Do the same for center and surround speaker.



Speaker Polarity
When connecting the speakers, make sure the polarities (+ speaker wire to + on the DVD) of speaker wires and terminals are matched. If the cords are reversed, the sound will be distorted and will lack bass (out of phase effect).



Connecting the Subwoofer
This DVD offers a high flexibility for user to use a large variety of speakers and subwoofer. For more information please refer to section (Fine setting of the Speakers).

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BASIC PLAYBACK

Note: The buttons referred to in these instructions are on the remote control unless stated otherwise.

Basic playback

- Switch on the television and ensure that the video input source for the DVD Player is selected.
- Switch on amplifier if it is connected.
- Press POWER button on the front panel of the DVD Player to turn it on.
- To open the disc tray, press the OPEN/CLOSE button.
- The disc should start to paly automatically. If playback does not start, press the PLAY button.
- Most DVDs will show some preliminary information then stop at a main or root menu screen. Use the UP or DOWN arrow button to select the desired option. Press the PLAY or ENTER button.
- To access the disc menu during playback, press the MENU button.
- After playback, press the OPEN/CLOSE button to remove the disc from the disc tray.
  Press the POWER/STANDBY button, the machine will be power-off and go to standby state, press the button again, the machine will be power-on and start playing.

Note: The power isn't fully cut off at standby status. If you don't require to use the DVD for a certain of period, please make sure to switch off the main POWER button on the front panel.

Pause

To pause playback, press the PAUSE button, the sound will be muted during still mode. To resume playback, press the PLAY button.

Prev and Skip

When playing DVD disc, press ⏮ button to the previous chapter.
When playing VCD, CD, VCD, Mp3 disc, press ⏭ button to the next tracek.

Fast Search Forward/Backward

To fast search the contents of a disc, press either the ▶▶ button to search forward through the disc or press ◀◀ button to search backward through the disc. Repeatedly pressing the search butons will scroll through the four search speeds available: 2X, 4X, 8X, 20X. Either ▶▶ or ◀◀ will be displayed on the screen before the speed, to show the direction of the search.
To resume normal speed playback, press the PLAY button.

Stop

Press STOP button to get memory stop of disc playing and press PLAY button to get memory playing. Press STOP button again to stop playing.

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OPERATING YOUR RECEIVER

Operating the Radio

The DVD has a built-in tuner that allows for AM/FM radio function.

Manual tuning

1. Connect the FM and AM antenna accordingly(see page 10).
2. Press POWER button on the front panel to switch on the DVD.
3. Press DVD/RADIO on the front panel or remote control.
4. To select band, press the BAND on the remote control to goggle between AM or FM.
5. When an FM station broadcast Stereo sound, Tune the stations by pressing SEARCH+ or SEARCH- button on the remote control repeatedly until the desired station is found.
6. Press the AUTO SCAN on the remote control to activate the automatic SEARCH function. In this mode the receiver will actually tune frequencies until it finds a station.
7. Repeat steps 5 or 6 to tune another radio station.

REMARK: When you press the DVD/RADIO button, tuner will be displayed 2 seconds, then shifts and stays at band and frequency. Press BAND button to select AM or FM. 'A' expresses AM while 'F' expresses FM.

Storing radio stations:

The receiver can store up to 30 radio stations of each band in memory. You can enter every single radio station yourself or the receiver can store all available radio station automatically in an ascending order.

A.Press storing:

1.Select the SEARCH+ or SEARCH- button on the remote control repeatedly.
2.Press the SAVE/ENTER on the remote control to fix channel, press the button again,display panel will blink during the automatic storing process.
3.Press CH+ or CH- button on the remote control or on the front panel to select the location number during 1~30.

B.Automatic storing:

Press AUTO SCAN button on the remote control, radio frequencies will be browsed and radio station stored automatically. When all available radio stations are stored or if all 30 memory locations are full, the auto preset will stop.

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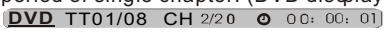
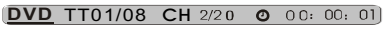
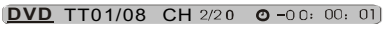
KEY FUNCTION

KEY	KEY FUNCTION
REV FWD	Press "◀◀" key, the picture will skip backward, at this time, the sound is mute, press "◀◀" key continually, it will skip at the following speed.Press "▶▶" key, the picture will skip forward, at this time, the sound is mute, press "▶▶" key continually, it will skip at the following speed. ▶▶(◀◀) 2X→4X→8X→20X
DVD OSD	Press the OSD key at thefirst time, the screen will show the time period of single chapter. (DVD disqplaying status)  Press "OSD" key again to show the current following status on the screen. Press the "OSD" key at the third time, thescreen will show the time remain of this chapter. Press the "OSD" key at the forth time, thescreen will show the playing time of the title.  Press the "OSD" key at the fifth time, thescreen will show the time remain of the title.  Press the "OSD" key at the sixth time, thescreen will show the OSD function will be cancelled.
DIRECTION 	Upwards, downwards, leftwards, rightwards direction key. Press the "DIRECTION" key to select the contents of the disc, the setup item, the zooming part of the picture and turning around the picture when playing back the Picture-CD.
MUTE	Press the Mute key at the first time, the disc is still playing without sound. Press it again, mute will be cancelled and normal playing back is resumed after seconds.

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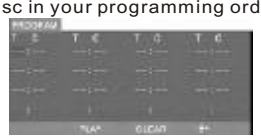
KEY FUNCTION

KEY	KEY FUNCTION
PROG	Programming playback setup (For DVD disc playing status): Programming the disc content as you desired, the unit will playback the disc in your programming order.  Procedure: Press the PROG key on the remote controller, the screen will show the Program Menu. Press the Number key to select your desired track. The left side on the program menu is the titles of the track, the right side is the corresponding songs. You can select your desired songs by pressing the Number key, then press the Direction key to start the playback function.
MENU	When playing VCD disc version, you can shift to the MENU function by pressing the "MENU" key. When MENU is off, you can not use the disc menu to select the songs or chapter. The disc can only playback in order. Or you can select the songs by pressing "Number" key or "PREV" or "NEXT" key. When MENU is on, you can use the disc menu to select your desired songs of chapter. When playing DVD disc version, you can select the chapter or songs by pressing the "Return" key to turn back to the Main Menu. Caution: When playing back MP3 CD, VCD 1.1, the function of MENU is ineffective.
A-MODE	Press the "A-MODE" key first time and then press the volume key to adjust the volume of front left speaker,press the "A-MODE" key second time and then press the volume key to adjust the volume of front right speaker,press the "A-MODE" key the third time,adjust center speaker,the forth time,adjust surround left speaker,the fifth time,adjust surround right speaker,the sixth time,adjust subwoofer, all six speakers' volume adjusting operation steps are the same.
ZOOM	Press the "Zoom" key to zoom in or out the image When the unit is in the playback status, press the "Zoom" key to zoom in or out the image by 4 times. In the image zooming out status, press the "Direction" key to move on the picture.
GOTO	Time setup playback function (For DVD discs). DVD TT01/08 CH 2/20 00: 00: 01 There are three kinds of selections: 1.Select the desired playingback time of the title. 2.Select the desired playingback time of the chapter. 3.Press the "Number" key to select the track directly. After selection, press "Enter" key to playback. Cautions: The setup time you enter can not exceed the total playback time of the disc. When the playback time of some of the DVD discs can not be setup, the reason is that their formats are designed in different way.

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KEY FUNCTION

KEY	KEY FUNCTION
ANGLE	Multi-angle viewing function. DVD disc can record the different scenes shooting from different angles. You can choose any angel to view when playing back the disc. 1.Press the "Angle" key on the remote controller to select the angle 1, the screen will show the following icon on the left upper side. 2.Press the "Angle" key on the remote controller to select Angle 2, the screen will show the following icon on the left upper side.
TITLE	When playingback DVD discs, press the "Title" key to return to the Title Menu of the disc, press "Direction" key or "Number" key to select the contents, then press the "Enter" key to playback your desired title or contents.
SUB-T	Subtitle on/off function.To select the subtitle of DVD disc showing on the screen (Statement: The selection of subtitle is related to the format of the disc. The function can be available only when the disc has the subtitle function). The subtitle function can be operated by pressing the "Sub-title" key on the remote controller and different subtitles can be shown on the screen by pressing this key continually.
AUDIO	When playing back VCD, press the Lang/R/L key to shift the mode of sound channel: STEREO---→ LEFT CHANNEL -----→ RIGHT CHANNEL When playing back VCD disc, press AUDIO key to change the language.
3D	There are 4 kinds of sound effect in the 3D function: SRND, EQ, BAND, KEY. There are 5 kinds of surround sound effect in the SRND Menu: Concert, Church, Passive, Wide, Live. There are 6 kinds of EQ effect in the EQ Menu: Standard, Classic, Rock, Jazz, Pop, User. Note: When playing back DVD disc or Picture-CD, this function is not available.

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MPEG4, WMA AND KODAK PICTURE CD OPERATION

1.To play, you must view through your television. Insert an MPEG4, or WMA CD, the DVD video player will initialize the disc when the tray is closed and the directory (folder) of an MPEG4,WMA menu will be shown on screen.
2.This DVD video player will playback from the first track of first directory automatically.
3.You may press direction keys to swift among Directory, File and Function Zone, and choose the track you prefer. And you can choose the track by pressing digital number key from remote control.
4.Press ⏮ or ⏭ to view previous or next move or track.
5.If you need to return to the main directory (folder), press RETURN button from remote control.
6.This DVD video player has the ability to playback most JPEGs, that are commonly used for digital cameras and KODAK Picture CDs to view your photos on a television in the comfort of your home from a CD-R.
7.Pressing direction keys to choose JPEG picture and press PLAY key to playback.
8.Pressing STOP from remote control to 12-picture viewing function of JPEG. At this time, press ⏮ or ⏭ to view previous or next 12 pictures, or press digital number key to view one of full screen picture. Press RANDOM key to show the JPEG pictures from the first one.
9.Pressing ZOOM key to zoom in or zoom out JPEG picture shown on screen.

Directories: showing all the name of directories.

The playing file is a MP3/WMA music.

File Switch Region: Displays the file type o f the playing and the switching

The playing file is a JPEG/GIF and BMP pictures.

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FUNCTIONAL MENU OPERATION

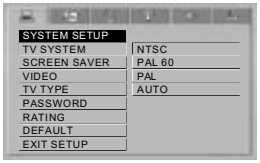
BASIC OPERATION

Press the "SETUP" key to enter into the setup menu; Press the L/R Direction key to select the contents of the main menu; Press the Up/Down Direction key to select the according submenu, then press the Left Direction key to select the contents of the submenu, press the Up/Down Direction key to select the desired item, press the "ENTER" key for confirmation.

1.SYSTEM SETUP

Under the main menu status, select the system SETUP item to enter into SYSTEM SETUP page.

a.TV SYSTEM

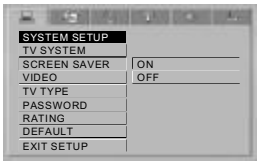


Make the selection according to the connecting TV system.

- If your TV set has multi-system selection, select the Auto item.
- If your TV set is NTSC system, select NTSC item.
- If your TV set is PAL system, select PAL item.
- If your TV set is PAL 60 system, select PAL 60 item.

Default setup: Auto

b.SCREEN SAVER

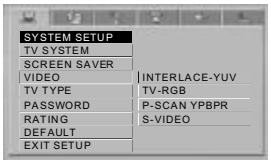


In the status of STOP/OPEN, TRAY DOOR/NO DISC, this unit will start the screen saver function automatically after three minutes. Screen saver will prevent the screen from damage of long time display.

- ON: Screen Saver function on
- OFF: Screen Saver function off

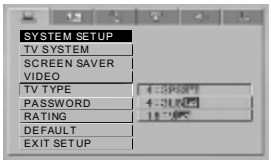
Default setup: ON

c.VIDEO SETUP



1.INTERLACE-YUV : Select this item when connecting INTERLACE-YUV terminal of this unit to the according terminal of TV set.
2.S-VIDEO: Select this item when connecting S-VIDEO of this unit to S-VIDEO of TV set.
3.P-SCAN YPBPR : Select this item when connecting P-SCAN YPBPR of this unit to P-SCAN YPBPR of TV set.
RGB: Select this item when connecting RGB of this unit to RGB of TV set or computer screen.

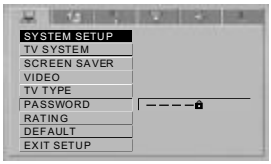
d.TV TYPE



1.16: 9(WIDE SCREEN): Select this item when connecting this unit to wide screen TV set (16: 9).
2.4: 3LB(LETTER BOX): Select this item when connecting to the normal size of TV set (4:3). When playing back the wide screen picture, there are two black belts on the roof and bottom of the screen.
3.4: 3PS (PROGRESSIVE SCANNING): It is suitable to the normal size of TV set (4:3). When playing back the wide screen picture, the left and right edges will be deleted and the picture will fully display on the screen.

Default setup: 4:3PS (PROGRESSIVE SCANNING)

e.PASSWORD



DEFAULT SETUP: Password locked up status. In this status, you can not setup the rating of the disc or change the password. If you need to setup the rating, enter the default password 0000 by pressing "Number" key and press the "ENTER" key for confirmation. If you want to change the password, you also need to enter the old password first, then enter new password (4 figures).

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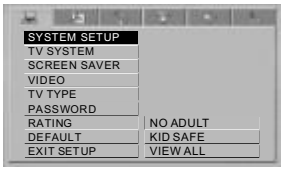
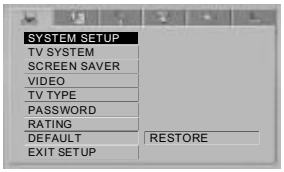
f.RATING



If your disc has the parental lock function, you can select parental control rating level according to the classification of the rating level in the disc and your actual requirement.
(1)The parental control rating level can setup to be NO ADULT or KID SAFE level.
(2)When you select the VIEW ALL item, then the Lock Up function will be cancelled.
DEFAULT SETUP: VIEW ALL
Remark: Only in the status of password lock up function on, you can setup the RATING function.

g.DEFUALT



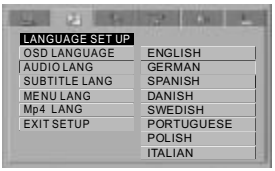
When selecting the RESTORE item, the unit will resume to the default setup status. (The default setup of the volume is 5)

2.LANGUAGE SETUP

a.OSD LANGUAGE

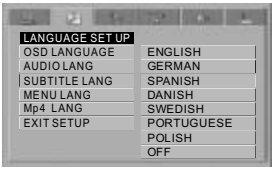
Press the Direction key to select OSD LANGUAGE item then press "ENTER" for confirmation. Two languages are available in this item: ENGLISH、GERMAN、DANISH、POLISH.

b.AUDIO LANGUAGE



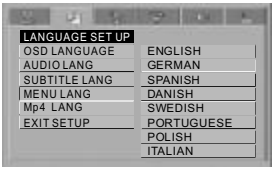
Press the Direction key to select the desired item of AUDIO LANG, then press "ENTER" key for confirmation. There are 8 kinds of language for selection: Italian, English, Danish, Polish, Spanish, Portuguese, German and Swedish.

c.SUBTITLE LANGUAGE



Press the Direction key to select the desired SUBTITLE LANG item, then press "ENTER" key for confirmation. There are 8 modes for selection: Swedish, English, Danish, Polish , Spanish, Portuguese, German and OFF.

d.MENU LANGUAGE



Press the Direction key to select the MENU LANG you desired, then press "ENTER" key for confirmation. There are 8 kinds of language for selection: Italian, English, Danish, Polish, Spanish, Portuguese, German and Swedish.
Note: This function will be effective only when the DVD disc has the above languages. Otherwise the unit will automatically select the recorded language in the disc.
The default setup: Italian.

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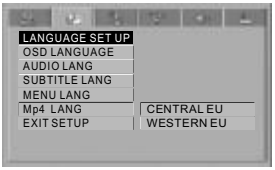
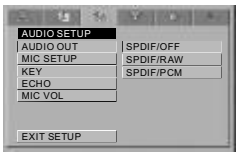
e.MP4 LANG



press the directon key to select the lang you desired,then press"ENTER" key for confirmation.there are 2 kinds of language for selection:
centraleu .westerneu
Add text: MP4 language is for use with external MPEG-4 subtitles of type .srt, .sub or .txt. when playing MPEG-4 discs. Choose Central EU for codepage 1250 (Eastern Europe) and Western EU for codepage 1252 (Western Europe).
This will allow your country's special letters to be shown correctly.

3.AUDIO SETUP

a.AUDIO OUT



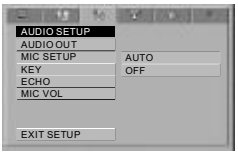
Press the Direction key to select the AUDIO OUT item, then press the "ENTER" key for confirmation. There are 3 modes for selection in this item: SPDIF/OFF, SPDIF/RAW and SPDIF/PCM.

1.SPDIF/OFF: No signal out for coaxial or optical output.

2.SPDIF/RAW: When this unit connects to the 5.1 channel amplifier by using the coaxial or optical cable, select the SPDIF/RAW item. When the playback disc adopts the format of DOLBY or MPEG, the coaxial or optical output signal of this unit will be the RAW format of DOLBY or MPEG accordingly. At this moment, the connected amplifier should have the DOLBY and MPEG decoding function.

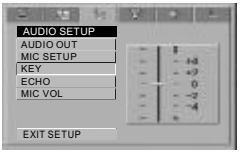
SPDIF/PCM: When the unit connects to the digital stereo amplifier, please select this item. When the playback disc adopts the format of DOLBY or MPEG, the coaxial or optical output signal will be PCM format with 2 channel.

b.MIC SETUP



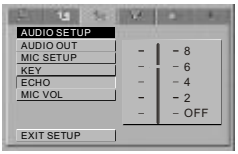
Two selection for choice,
when set to Auto/Off, the Mic is on/off.
The default is set to OFF

c.KEY



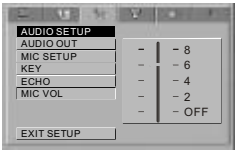
Press the Direction key to move the slider to adjust the key volume.

d.ECHO



Here are 5 selections. The echo volume can be adjusted from the highest to the Off. when select 8,the echo volume is the highest.aslo you can select Off to cut off the echo output.
The default is set to 6.

e.MIC VOL



Here are 5 selections. The MIC volume can be adjusted from the highest to the Off. when select 8,the MIC volume is the highest.aslo you can select Off to cut off the MIC output.
The default is set to 6.

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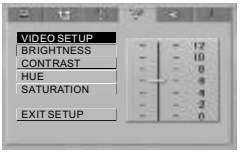
FUNCTIONAL MENU OPERATION

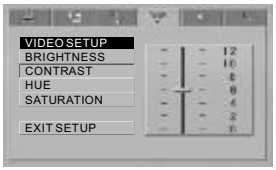
4.VIDEO SETUP

a.BRIGHTNESS



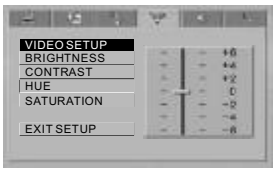
Press the Direction key to move the slider to adjust the brightness of the video output.

b.CONTRAST



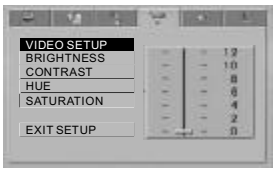
Press the Direction key to move the slider to adjust the contrast of the video output.

c.HUE



Press the Direction key to move the slider to adjust the hue of the video output.

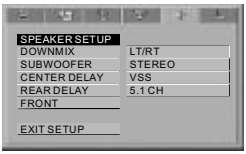
d.SATURATION



Press the Direction key to move the slider to adjust the saturation of the video output.

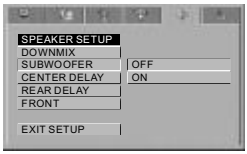
5.SPEAKER SETUP

a.DOWNMIX



1.LT/RT: When the playback disc has the effect of BOLBY STEREO, please select this item. The disc signal will be decoded by the built in decoder of this unit and expresses the effect of hi-fi cinema.
2.STEREO: The audio output will be two lines of signal in LEFT and RIGHT sound channel in 5.1 channel out whereas will be normal stereo signal in 2 channel out.
3.VSS: When playback disc adopts 5.1 channel format, the VSS will come from the main speakers.
4.OFF: The 5.1 channel output will be effective when selecting this item.

b.SUBWOOFER



There are 2 selections in this item: ON/OFF. When in "ON" status, sound will come out from subwoofer, otherwise it will be mute when in "OFF" status.

c.CENTER DELAY

You can adjust center delay by selecting this item.

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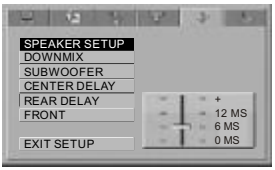
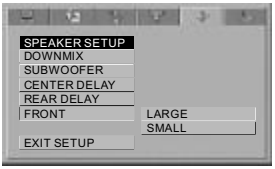
d.REAR DELAY



You can adjust rear delay by selecting this item.

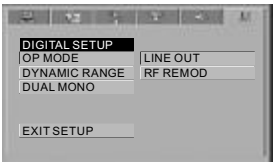
e.FRONT



2 selections are availavle in this item:large ,small
when in large status,
the front speaker volume
will be large,otherwise it will be small when in small status.

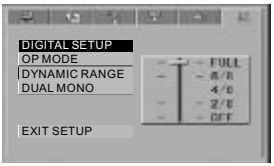
6.DIGITAL SETUP

a.OP MODE



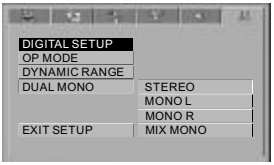
1.LINE OUT: The unit will compress the input signal to be linear audio output. The volume will be lower by selecting this item. It is suitable for this selection at night.
2.RF REMOD: Volume is higher. It is suitable for this selection at daytime.

b.DYNAMIC RANGE



When selecting the LINE OUT item in compression mode, select this item to adjust the linear compression ratio to achieve compression effect from different signal. When selecting FULL, the audio signal is MIN. When selecting OFF, the audio signal is MAX.
Note: This function will be effective only in the status of DOWNMIX function OFF.

c.DUAL MONO



This item is to setup the audio left and right output signal including 4 modes: STEREO, MONO LEFT, MONO RIGHT and MIX MONO. This function is mainly for the AC-3 KARAOKE mode selection.

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TROUBLESHOOTING

Before resorting to maintenance service, please kindly check by yourself with the following chart.

Symptom	Cause(s)	Solution
No power	• The power cord isn't connected	• Connect the power cord properly
	• Fuse melting	• Replace a same specification fuse
No picture	• TV video setup isn't correct	• Select the suitable setup
	• Video cable isn't connected well	• Connect the cable properly
No sound	• Audio cable isn't connected well	• Connect the cable properly
	• Source select incorrect	• Switch to the proper source
	• Audio setup isn't correct	• Select the suitable audio setup
Distorted picture	• Dirty disc	• Clean the disc
	• In fast forward or fast rewind mode	• Sometimes, the tiny distortion appears. It's normal
Luminance un-steady or picture with noise	• Anti-copy circuit influence	• Connect the DVD unit to TV directly
Unable to play	• Without disc	• Load the disc
	• Disc is bad	• Clean or replace the disc
	• Disc is put upside down	• Load the disc properly
	• Dirty disc	• Clean the disc
	• There are menu on TV screen	• Use SETUP to turn off menu
	• Parental control is working	• Set up parental off or change the setup
Key malfunction	• Power wave or other static interference	• Turn on/off the power and try again
Remote control doesn't work	• Doesn't work	• Point the remote control at the sensor
	• Remote control is too far from DVD unit	• Opearate the remote control within 7m
	• Batteries are weak	• Replace the batteries
Can't locate any channels in tuner mode	• Antenna is not connected	• Connect antenna
	• Source mode is not in tuner mode	• Switch to tuner mode

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TECHNICAL SPECIFICATIONS

Type	MPEG4/DVD PLAYER
Model	DRS-1908
Play Mode	NTSC/PAL60/PAL/AUTO
Disc Mode	MPEG4 ,DVD,VCD,CD,SVCD,CD-R,CD-RW,KODAK PICTURE CD.
Video Characteristic	
Resolution	≥ 500lines
Video S/N Ratio	≥ 56dB
Audio Characteristic	
Frequency Response	20Hz-20KHz (±3dB)
Audio S/N Ratio	≥ 45dB
Dynamic Range	≥ 45dB
Distortion	<0.1%
D/A Converter	96KHz/24bit
Output Characteristic	
Video Output	1Vp-p(75 Ω)
S-Video Output	Y:1Vp-p(75 Ω) C:0.3Vp-p(75 Ω)
Audio Output	$2.0V^{+0.0V}_{-1.0V}$
Digital Audio Output	Coaxial,Optical
AC-3	5.1 Channel Output
Power Output	30W+15Wx5
AM Freqnency Range	522kHz~1620kHz
FM Freqnency Range	87.5MHz~108.0MHz

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TERMINOLOGY

TITLE

Refer to group of characters assigned to a group of pictures, or to each melody or a movie contained in a DVD disc, a number (code) is given to each orthese titles.

CHAPTER

A method of organizing different scenes of a movie for easy navigation and access.

TRACK

A method of organizing different segment of a disc for easy navigation and access.

CODEC

A software driver that is used to compress and decompress video, originally digitized from an analog source.

COMPONENT VIDEO

Component video offers the highest video quality available on DVD. Component video is a 3-channel system that is either RGB or color-difference. DVDcomponent video is color-difference. Signals using color-difference contain the color component of the picture minus the brightness component. Component video is often regarded as being the next step beyond S-video that can be found on the majority of DVD players, the benefits include improved color accuracy and less color bleeding.

COMPOSITE VIDEO

An analog signal that contains the combined signals for luminance (black and white) and chrominance (color) components. This is the standard for broadcast TV, VHS and Laserdisc. All DVD players have this type of output. S-Video offers a better picture while Component video offers the best picture quality .

SPDIF

Sony/Philips Digital Interface. The standard for transmitting digital data (like Dolby Digital) on consumer-grade components. Uses either a 75-ohm coaxial or TOSLINK optical cable.

SCART

The standard European AV connector/socket for Tvs, VCRs, and DVD players.

DVD

Digital V ideo Disc or Digit al V ersatile Disc. A highdensity optical storage 6-inch disc capable of storing 4.7, 8.5, 9.4 or 17 gigabytes of data. DVD uses MPEG-2 video compression and Dolby Digital,

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TERMINOLOGY

VIDEO CD (VCD)

A digital video disc format using MPEG1 encoding, normally playable on DVD players.Its VHS quality picture and limited shortage capacity prevented it from ever becoming fully caught on.

MPEG-4

Anticipating the rapid convergence of telecommunications industries, computer and TV/film industries, the MPEG group officially initiated a new MPEG-4 standardization phase in 1994 with the mandate to standardize algorithms and tools for coding and flexible representation of audio-visual data to meet the challenges of future Multimedia applications and applications requirements.

Universal accessibility and robustness in error prone environments - Multimedia audiovisual data need to be transmitted and accessed in heterogeneous network environments, possibly under severe error conditions (e.g. mobile channels). Although the MPEG-4 standards will be network (physicallayer) independent in nature, the algorithms and tools for coding audio-visual data need to be designed with awareness of network peculiarities.

High interactive functionality - Future Multimedia applications will call for extended interactive functionalities to assist the user's needs. In particular the flexible, highly interactive access to and manipulation of audio-visual data will be of prime importance. It is envisioned that - in addition to conventional playback of audio and video sequences - the user need to access "content" of audio-visual data to present and manipulate/store the data in a highly flexible way.

Coding of natural and synthetic data - Next generation graphics processors will enable Multimedia terminals to present both pixel based audio and video data together with synthetic audio/speech and video in a highly flexible way. MPEG-4 will assist the efficient and flexible coding and representation of both natural (pixel based) as well as synthetic data.

Compression efficiency - For the storage and transmission of audio-visual data a high coding efficiency, meaning a good quality of the reconstructed data, is required. Improved coding efficiency, in particular at very low bit rates below 64 kbits/s, continues to be an important functionality to be supported by the MPEG-4 video standard. Bit rates targeted for the MPEG-4 video standard are between 5-64 kbits/s for mobile or PSTN video applications and up to 2 Mbits/s for TV/film applications. Seven new (with respect to existing or emerging standards) key video coding functionalities have been defined which support the MPEG-4 focus and which provide the main requirements for the work in the MPEG video group. The requirements cover the main topics related to "Content-Based Interactivity", "Compression" and "Universal Access".

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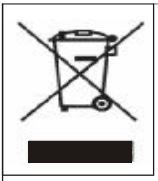
Instructions on environment protection



Do not dispose of this product in the usual household garbage at the end of its life cycle;hand it over at a collection point for the recycling of electrical and electronic appliances.The symbol on the product,the instructions for use or the packing will inform about the methods for disposal.

The materials are recyclable as mentioned in its marking.By recycling,material recycling or other forms of re-utilization of old appliances,you are making an important contribution to portect our environment.

Please inquire at the community administration for the authorized disposal location

Weight: **8.188kg**

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